

Name:

Date:

Class:

Lesson 15.3: Hydrological Cycles

Know and Understand

Answer the following questions using the information provided in this lesson.

1. Which part of the hydrological cycle affects agriculture the most? (15.3.1)

- A. Watersheds and wetlands
- B. Groundwater
- C. Surface water
- D. All are correct.

Answer:

2. What occurs with precipitation that does not get absorbed into the ground? (15.3.2)

- A. It evaporates into the atmosphere.
- B. It is used by plants for growth.
- C. It pools and flows across the land as runoff water.
- D. All are correct.

Answer:

3. How is groundwater often contaminated? (15.3.3)

- A. Through improper chemical disposal and poorly maintained septic systems
- B. Through gasoline and oil spills
- C. With acid rain falling on the soil
- D. Through the construction of houses and other buildings, which disrupts soil formation

Answer:

4. Why should livestock not be allowed to graze directly in streams? (15.3.3)

- A. They may drown.

- B. Livestock eat aquatic plants, which takes them away from grazing fish.
- C. Livestock hooves compact the soil at the bottom of the stream.
- D. Livestock may urinate or defecate in the stream.

Answer:

5. What is the contribution of wetlands to ecosystems? (15.3.4)
- A. They filter, clean, and store water.
 - B. They recharge groundwater supplies.
 - C. They absorb tidal forces.
 - D. All are correct.

Answer:

6. How do wetland plants help control water erosion in the wetland? (15.3.4)
- A. They prevent wind erosion.
 - B. They retain soil against the flow of water in the wetland.
 - C. Plants break the fall of raindrops from the sky.
 - D. None are correct.

Answer:

7. Which of the following is one of the main types of wetlands? (15.3.4)
- A. Deserts
 - B. Bogs
 - C. Pocosins
 - D. None are correct.

Answer:

8. Which wetland ecosystems are most prevalent in the United States? (15.3.4)
- A. Swamps
 - B. Fens
 - C. Glens
 - D. Nontidal marshes

Answer:

9. *True or False?* Swamps receive most of their water supply through precipitation. (15.3.4)

Answer:

10. *True or False?* Bogs act as carbon sinks and are critical in mitigating climate change. (15.3.4)

Answer:

11. *True or False?* Fens receive most of their water from underground rivers and streams. (15.3.4)

Answer:

12. Why are wetlands essential for the survival of threatened and endangered species? (15.3.4)

- A. One-third of threatened and endangered species live in wetlands.
- B. Wetlands provide good places for hunters to hunt species.
- C. Many species use wetlands at some point in their lives.
- D. Both A and C.

Answer:

13. What are the challenges faced by those attempting to recreate wetlands? (15.3.4)

- A. It takes many years of flooded conditions to establish.
- B. The size and slope of the basin.
- C. The soil is no longer hydric.
- D. All are correct.

Answer: